CONFERENCE ON DISARMAMENT

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THE CZECH AND SLOVAK FEDERAL REPUBLIC

Data relevant to the Chemical Weapons Convention

Data on relevant chemicals and facilities which produce and consume the substances provisionally contained in the rolling text and which reflected the situation in Czechoslovakia during 1989 were contained in the document CD/949. They were provided on a voluntary basis by the respective Czechoslovak bodies and institutions.

The present document comprises more detailed data concerning Czechoslovak chemical potential.

The chemicals declared in this document are based on the preliminary lists of chemical substances on Schedules 1, 2A and 3 of the document CD/1033 and quantities mentioned in the document CD/949. The data differ slightly from those presented in CD/949 thus reflecting the situation at the end of 1989 and beginning of 1990.

In some cases, the quantities declared are below the agreed limit; however, in the spirit of openness, Czechoslovakia is declaring all these data.

National data on the production, processing, consumption, export and import of chemicals in 1989

Schedule 1

A. 1. Facility */ and owner: Zemianske Kostolany, Military facility No. 072, Ministry of National Defence

2. Chemicals and their production:

		production (kg/year)
sarin:	O-isopropyl methylphosphono-fluoridate (CAS-107-44-8)	5.9
soman:	O-pinacolyl methylphosphono-fluoridate (CAS-96-64-0)	1.4
tabun:	O-ethyl N, N-dimethylphosphoro-amidocyanidate (CAS-77-81-6)	3.0
VX:	O-ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate (CAS-50782-69-9)	1.25
Mustard gas:	bis (2-chloroethyl) sulphide (CAS-505-60-2)	58.77
Lewisite:	2-chlorvinyldichlorarsine (CAS-541-25-3)	1.0
Nitrogen mustards:	tris (2-chloroethyl) amine (CAS-555-77-1)	1.23
DF:	methylphosphonyldifluoride (CAS-676-99-3)	5.0
O-alkyl:	(methyl, ethyl, propyl, i-propyl) methylphosphonochloridate	1.24
3.3-dimenthylbutan-2-01:	(CAS 464-07-3)	5.11

3. Export-import

			pieces (g)
3a: Export:	testing set	(incl. 300 g of tabun and 1 000 g of mustard gas)	100

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*/ This facility will represent the single small-scale facility in the future.

		pieces	(g)
testing set	(incl. 30 g of mustard 10 g of diphosgene and 10 g of sarin)	100	
mustards			(4 000)
lewisite			(1 000)
sarin			(2 000)
soman			(1 000)
VX			(500)

4. The purpose of production

Protective, research, medical and pharmaceutical purposes.

B. 1. Facility and owner:

State enterprise, RUBENA NÁCHOD;
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption (g/year)

Mustard gas 256

3. Export-import

0

4. Testing procedures for permeability of materials produced.

Schedule 2A and 3

A. 1. Facility and owner

State enterprise, NCHZ NOVÁKY;
Ministry of Industry of the Slovak Republic

2. Chemical and their production (t/year)

N, N-dimethylaminoethan-2-01 171

3. Export-import

0

4. The purpose of production

The raw material for the production of medicaments used in anaesthesiology.

B. 1. Facility and owner

Research Institute Tan-Processing, Zlín;
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption

N,N-dimethylaminoethan-2-01	0.001

3. Export-import

0

4. Research work (saponification).

C. 1. Facility and owner:

State enterprise, LACHEMA BRNO; production unit LZ KOLÍN;
Ministry of Industry of the Czech Republic

2. Chemicals and their production

	production (t/year)
hydrogen cyanide (CAS: 74-90-8)	3 526
cyanogen chloride (CAS: 506-77-4)	84

3. Export-import

hydrogen cyanide (export)	6-7

4. Production of different chemicals.

D. 1. Facility and owner:

VCHZ SYNTHESIA; Pardubice, production unit RYBITVÍ;
Ministry of Industry of the Czech Republic

2. Chemicals and their production

	production (t/year)
phosgene (CAS: 75-44-5)	317

3. Export-import

0

4. Production of pesticides and other compounds.

E. 1. Facility and owner

State enterprise, Spolek pro chemickou a hutní výrobu (Corporation for Chemical and Metallurgical production), Ústí nad Labem,
production unit Mníšek u Liberce;
Ministry of Industry of the Czech Republic

2. Chemicals and their production — production (t/year)

dimethylphosphite (CAS: 868-85-9) — 180

3. Export-import

0

4. Production of a material (Spolapret OS) for non-flammable treatment of cotton.

F. 1. Facility and owner

State enterprise, Spolek pro chemickou a hutní výrobu, Ústí nad Labem, production unit Mníšek u Liberce

2. Chemicals and their consumption/processing — (t/year)

phosphorus trichloride (CAS: 7719-12-2) — 273

3. Export-import

import — 273

4. Raw material for production of Spolopret OS.

G. 1. Facility and owner

State enterprise, Spolek pro chemickou a hutní výrobu (Corporation for Chemical and Metallurgical production), Ústí nad Labem, production unit Ústí nad Labem

2. Chemical and their consumption/processing — (t/year)

phosphorus trichloride (CAS: 7719-12-2) — 80.5

3. Export-Import

import — 80.5

4. Raw material for synthesis of some chemicals.

H. 1. Facility and owner

State enterprise Research Institute of Organic Synthesis, Pardubice-Rybitví;
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing — (t/year)

phosphorus trichloride (CAS: 7719-12-2) — 0.005

3. Export-import

0

4. Research work on herbicides, insecticides and medical drugs.

I. 1. Facility and owner

State enterprise, Lachema Brno, production unit Blansko; Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

phosphorus trichloride (CAS: 7719-12-2) 0.528

3. Export-import

import 0.528

4. Production of diagnostic and dye chemicals.

J. 1. Facility and owner

State enterprise, Spolek pro chemickou a hutní výrobu, Ústí nad Labem, production unit Ústí nad Labem; Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

thionyl chloride (CAS: 7719-09-7) 70

3. Export-import

import 70

4. Production of raw material for further syntheses.

K. 1. Facility and owner

State enterprise, VCHZ Synthesia Pardubice, production unit Rybitví; Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

thionyl chloride (CAS: 7719-09-7) 4.3

3. Export-import

import 4.3

4. Production of raw materials for further syntheses.

L. 1. Facility and owner

State enterprise, Lachema Brno, production unit Brno and Blansko;
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

thionyl chloride (CAS: 7719-09-7) 4.9

3. Export-import

import 4.9

4. Production of diagnostic and other chemicals.

M. 1. Facility and owner

State enterprise, Research Institute of Organic Synthesis,
Pardubice Rybitví
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

thionyl chloride (CAS: 7719-09-7) 0.265

3. Export-import

import 0.265

4. Research of herbicides, insecticides etc.

N. 1. Facility and owner

State enterprise, Lachema Brno, production unit Brno;
and Rest. Inst. Org. Synthesis, Pardubice;
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

phosphorus pentachloride (CAS: 10026-13-8) 0.016

3. Export-import

import 0.016

4. Research and production of different chemicals.

O. 1. Facility and owner

State enterprise, Sklo Union Teplice,
and Lachema Brno, production unit Brno;
Ministry of Industry of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

phosphorus oxychloride (CAS: 1025-87-3) 0.315

3. Export-import

import 0.315

4. Production of chemicals for diagnostics and chromatography and production of optic fibres.

P. 1. Facility and owner

State enterprise, Duslo Šala;
Ministry of Industry of the Slovak Republic

2. Chemicals and their consumption/processing (t/year)

thionyl chloride (CAS: 7719-09-7) 367

3. Export-import

import 367

4. Production of the Fademorf EK-20.

Q. 1. Facility and owner

State enterprise, CHZJD Bratislava,
Ministry of Industry of the Slovak Republic

2. Chemicals and their consumption/processing (t/year)

phosphorus trichloride (CAS: 7719-12-2) 1 513

3. Export-import

import 1 490

4. Production of insecticides (Metation) and antioxidants.

R. 1. Facility and owner

State enterprise, Léčiva Praha, production unit Praha;
Ministry of Health and Social Affairs of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

N,N-dialkylaminoethane - 2 - 01	2.1
N,N-dialkylaminoethane - 2 - chloride	2.0
phosphorus trichloride (CAS: 7719-12-2)	1.5

3. Export-import

0

4. Production of medical drugs.

S. 1. Facility and owner

State enterprise, Galena Opava, production unit Komárov;
Ministry of Health and Social Affairs of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

phosgene (CAS: 75-44-5) 0.070

3. Export-import 4

0

4. Production of medical drugs.

T. 1. Facility and owner

State enterprise, Chemopharma Ústí nad Labem;
Ministry of Health and Social Affairs of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

phosphorus oxychloride (CAS: 1025-87-3) 160
phosphorus trichloride (CAS: 7719-12-2) 0.4

3. Export-import

import 160

4. Production of medical drugs.

U. 1. Facility and owner

State enterprise, Farmakon Olomouc;
Ministry of Health and Social Affairs of the Czech Republic

2. Chemicals and their consumption/processing (t/year)

thionyl chloride (CAS: 7719-09-07) 25.5
N,N-dialkylaminoethane 2.5

3. Export-import

0

4. Production of medical drugs.